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**MIAMI-DADE COUNTY, FLORIDA  
NOTICE TO PROFESSIONAL CONSULTANTS  
MIAMI-DADE WATER AND SEWER DEPARTMENT  
DESIGN SERVICES FOR WASTEWATER COLLECTION AND  
TRANSMISSION SYSTEMS RELATED TO THE  
CONSENT DECREE PROJECTS  
PROJECT NO. E13-WASD-04**

The County Mayor, Miami-Dade County (County), pursuant to Chapter 287.055, Florida Statutes, Sections 2-8.1 and 2-10.4 of the Miami-Dade County Code, Implementing Order 3-34, and Administrative Order 3-39, announces that the Miami-Dade Water and Sewer Department (WASD) will require professional engineering services from a qualified Consultant to provide design services for wastewater collection and transmission systems related to Consent Decree projects.

WASD is the primary provider of water and wastewater services to Miami-Dade County serving a population of almost 2.3 million, making it among the largest water/wastewater utilities in the United States. On May 21, 2013, the Board of County Commissioners approved the Consent Decree (CD) negotiated with the United States Environmental Protection Agency (EPA), the United States Department of Justice (DOJ) and the State of Florida Department of Environmental Protection (FDEP). The CD outlines the activities to be undertaken to reduce Sanitary Sewer Overflows (SSO's), exceedances of treated effluent limitations, and to ensure proper management, operation and maintenance practices. All CD capital improvement projects must be completed on or before fifteen (15) years from the date of lodging (June 6, 2013) of the CD with the United States District Court. Many program requirements are required to be delivered within a certain time after the CD's "effective date" which is defined as the date the court enters the CD or six (6) months after the date of lodging whichever occurs first. WASD recognizes the need for design services of the wastewater collection and transmission system as part of the capital improvement program. The Consultant shall be familiar with the most recent version of the CD which will be available for review at WASD's website at <http://www.miamidade.gov/water/wastewater-improvement-projects.asp>

The services required by the Consultant will include, but is not limited to, preliminary design, design, permitting and bid services, and design services during construction for upgrades to the wastewater collection and transmission systems (WCTS). The Consultant shall ensure that the design of the capital improvements are technically, economically, and functionally consistent and are implemented in a manner that meets the specific deadlines and milestones of the CD and the requirements of the Clean Water Act, WASD's National Polluted Discharge Elimination System Permits, FDEP regulations, and any additional applicable regulatory requirements. The scope of services will include, but not limited to, the following:

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- Develop the Basis of Design Reports (BODR) for the CD capital program of the WCTS, while taking into account all project alternatives using life cycle cost analysis and identifying and recommending mitigation options to deal with future sea level rise and storm surge.
- Conduct and/or coordinate underground utility and sub-surface investigations in support of the BODRs.
- Based on the Department's approved BODR and delivery method (i.e. Design-Bid-Build, Design-Build) the Consultant will prepare the required bid documents.
- Assist WASD in evaluating procurement methods for equipment.
- Attain all applicable permits as necessary depending on the delivery method selected.
- Assist WASD in the bid process, including responding to request for information, reviewing bids and making recommendation for award.
- Provide design services during construction including but not limited to; reviewing and responding to all contractor submittals, review and respond to all contractor claims, review and respond to requests for information, and review of final certification documents provided by the contractor(s).

Services may also include providing wastewater hydraulic computer modeling services required by the CD, including model updates and calibration, and as required in support of the Pump Station Improvement Program using WASD Infoworks CS Model. This requires the Consultant to have license(s) of Infoworks CS Hydraulic Software, latest version and be proficient with its use on large wastewater transmission and gravity networks.

The firms providing these services must be certified in the following technical categories and the respective percentages of the disciplines as indicated below:

**A/E TECHNICAL CERTIFICATION REQUIREMENTS**

**Prime**

- 6.01 Water Distribution and Sanitary Sewage Collection and Transmission Systems
- 6.02 Major Water and Sanitary Sewage Pumping Facilities

**Prime and/or Subconsultants**

- 9.01 Drilling, Subsurface Investigations and Seismographic Services
- 9.02 Geotechnical and Materials Engineering Services
- 9.04 Non-Destructive Testing and Inspections
- 10.05 Contamination Assessment and Monitoring
- 11.00 General Structural Engineering
- 12.00 General Mechanical Engineering
- 13.00 General Electrical Engineering
- 15.01 Land Surveying
- 16.00 General Civil Engineering

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**BREAKDOWN LIST**

		%	CBE %
6.01	Water Distribution and Sanitary Sewage Collection and Transmission Systems	20	3
6.02	Major Water and Sanitary Sewage Pumping Facilities	35	2
9.01	Drilling, Subsurface Investigations and Seismographic Services	2	2
9.02	Geotechnical and Materials Engineering Services	1	1
9.04	Non-Destructive Testing and Inspections	2	2
10.05	Contamination Assessment and Monitoring	2	2
11.00	General Structural Engineering	10	2
12.00	General Mechanical Engineering	10	2
13.00	General Electrical Engineering	10	2
15.01	Land Surveying	3	3
16.00	General Civil Engineering	5	1
	<b>TOTAL</b>	100	22

**Minimum Experience and Qualifications**

Prime Consultants must be experienced in all phases of wastewater engineering, including design, permitting, construction, and operation and maintenance of wastewater collection and transmission systems.

Prime Consultants should have experience with design and commissioning of wastewater collection and transmission system upgrades of similar scope and complexity within the last ten (10) years from the date of this solicitation. The Prime Consultants shall provide a list of members of the proposed Design Team, identifying the overall Design Manager(s), and the team leaders for key design specialties (civil, structural, mechanical, electrical and instrumentation) and the specific role each one of them will perform.

Prime Consultants should have at least one (1) successfully designed, constructed and operated a major new or upgraded wastewater collection pipeline and pump station in which the Prime Consultant has served as the designer within the past ten (10) years from the date of solicitation.

For projects which the Prime Consultant has served as the design consultant, the Prime Consultant shall provide the name and contact information for a Utility Executive with the Utility they served as the design consultant who can confirm their role. The descriptions shall include the client (i.e., municipality or agency), key project staff, the project name, a summary of the work performed, the contract amount, the schedule (to include start and completion dates), the specific role of the Prime firm, the achievements (e.g., projects delivered on schedule, dollars saved, innovative designs implemented, new technology utilized), and a client reference and contact information.

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The Subconsultants should have at least one (1) program or project that is relevant to this scope of work within the past ten (10) years from the date of this solicitation specific to their proposed responsibilities. The project description(s) shall include the client (i.e., municipality or agency), key project staff, a summary of the work performed, the contract amount, the schedule (to include start and completion dates), the specific role of the Subconsultant firm, the project's achievements, and client reference and contact information.

WASD intends to retain one (1) Non-Exclusive Professional Services Agreement for a five (5) year term with one (1) five (5) year option-to-renew at the County's sole discretion will be awarded under this solicitation. The total amount of compensation will be negotiated with the selected Consultant. No minimum amount of work or compensation will be assured to the retained Consultant. The County reserves the right to re-use the work products of the retained Consultant and to retain other Consultants to provide the same or similar services at its sole discretion.